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ABSTRACT

An assessment of vocational education service to the population in principal United States cities, this report was based on data received from U.S. cities having a population of over 250,000. Analyzed in regard to enrollment, teachers, expenditures, and program completions and placements, information from 45 of the 58 biggest cities is included. (SN)

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MEMORANDUM

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
OFFICE OF EDUCATION

ED 072211

TO : State Directors of Vocational Education
Regional Directors, AVTE
Headquarters Staff

DATE: DEC 20 1972

FROM : Acting Director
Division of Vocational and Technical Education

SUBJECT: "Vocational Education in Major Cities"

Enclosed for your information is a copy of "Vocational Education in Major Cities." This report makes a brief analysis of major city vocational education data as related to the total State population and vocational education enrollment, teachers, and expenditures. Annual vocational education reports are requested for all cities with population over 250,000.

An additional copy is enclosed for each major city reported in your State. Please distribute to the appropriate local official.

For further information you may wish to contact Mr. Harold F. Duis, Program Specialist, Reports and Data (State Plans), Program Support Branch. His telephone number is: (202) 963-3291.

Michael Russo

Michael Russo

Enclosure(s)

VT018547

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ED 072211

VOCATIONAL EDUCATION IN MAJOR CITIES

Analysis of Population, Vocational Education Enrollment, Teachers, and Expenditures

Fiscal Year 1971

VT018547

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Office of Education
Bureau of Adult, Vocational, and Technical Education
Division of Vocational and Technical Education
Washington, D.C. 20202

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INTRODUCTION

The information presented in this report is taken from annual vocational education reports submitted by the States and includes data from the major cities. Population data are taken from the 1970 Census Report.

The purpose of the material is to give some indication as to the States' population served by vocational education in the major cities and the expenditures that were made for vocational education. The total vocational enrollment for the State and city is reported with a breakdown by level of education and the number of enrollees who are disadvantaged and handicapped. The expenditures for vocational education are reported by Federal and State/Local sources, by the total amount of expenditures allocated to each level of education, and by the total amount allocated to the disadvantaged and the handicapped. For States having more than one major city, a total is compiled with a percentage for the total indicated. Information on 45 major cities is included. Reports were not received for 12 of the 58 biggest cities, excluding the District of Columbia, as identified by the Census, in California and New York and the cities of Baltimore and Nashville.

SUMMARY

1. Total Major City Data Related to U.S. Total Data

The following shows the relative amount of vocational education effort in the major cities expressed as a percentage of the U.S. total:

	Percent in 42 Cities	Percent in 45 Cities *
Population	12.3	12.7
Total Enrollment	14.3	15.9
Enrollment-Disadvantaged	18.0	19.7
Enrollment-Handicapped	8.2	9.0
Enrollment-Secondary	16.1	17.3
Enrollment-Postsecondary	9.7	12.2
Enrollment-Adult	13.6	16.2
Enrollment-Cooperative B	8.9	13.8
Enrollment-Cooperative G	6.5	11.4
Total Expenditures	9.8	
Expenditures-Federal	8.0	
Expenditures-State/Local	10.1	
Expenditures-Disadvantaged	11.0	
Expenditures-Handicapped	12.0	

* Jacksonville, Miami, and Tampa included.

2. Major City Proportion of State's Selected Items

The 42 major cities reported, excluding Jacksonville, Miami, and Tampa, show a wide range in percentages of their respective States for selected items as follows:

	Low	High
Population	2.2 percent	42.2 percent
Vocational Enrollment	1.7 percent	35.6 percent
Total Expenditures	0.8 percent	71.7 percent
Federal Expenditures	0.1 percent	64.6 percent
State/Local Expenditures	0.7 percent	73.8 percent
Number of Teachers	1.5 percent	69.7 percent

3. Major City Vocational Education Enrollment vs. Population

A comparison of vocational education enrollment with population reveals that the percentages of enrollment in 24 major cities fall behind the percentages of population, but in some of the other cities (Phoenix, Honolulu, and Chicago) the enrollment percentages exceed the population to the extent that for all cities the enrollment exceeds the population by 2.0 percent.

4. Major City Total Expenditures vs. Enrollment

A comparison of total expenditures with enrollment reveals that 32 cities expend a lesser percentage of the State's total funds than their percentage of enrollment. The total expenditures of all cities lag enrollment by 4.5 percentage points. Sixteen cities receive a greater percentage of Federal funds than their percentage of the total expenditures and in 24 cities the State and local expenditures exceed the proportion of total expenditures.

5. Teachers vs. Enrollment

A comparison of the number of teachers with enrollment reveals that 19 cities have a larger percentage of the State's total teachers than their percentage of vocational enrollment.

6. Major Cities Lag in Enrollment of Handicapped But Excel in Disadvantaged Enrollment

A comparison of enrollment by target group with total enrollment reveals that 23 cities have a higher percentage of disadvantaged than their percentage of the State's total enrollment and 12 cities exceed in percentage of handicapped over the State's total enrollment. Generally expenditures lag behind enrollment for the target groups. Expenditures exceed enrollment in 14 cities for the disadvantaged and in 16 cities for the handicapped.

Table 1 - TOTAL AND PERCENTAGE OF STATES' POPULATION IN MAJOR CITIES

State	City	1970 Population	Percentage
Alabama		3,444,165	100.0
	Birmingham	300,910	8.7
Arizona		1,772,482	100.0
	Phoenix	581,562	32.8
	Tucson	262,933	14.8
	Total	844,495	47.6
Colorado		2,207,259	100.0
	Denver	514,678	23.3
Georgia		4,589,575	100.0
	Atlanta	496,973	10.8
Hawaii		769,913	100.0
	Honolulu	324,871	42.2
Illinois		11,113,976	100.0
	Chicago	3,366,957	30.3
Indiana		5,193,669	100.0
	Indianapolis	744,626	14.3
Kansas		2,249,071	100.0
	Wichita	276,554	12.3
Kentucky		3,219,311	100.0
	Louisville	361,472	11.2
Louisiana		3,643,180	100.0
	New Orleans	593,471	16.3
Massachusetts		5,689,170	100.0
	Boston	641,071	11.3
Michigan		8,875,083	100.0
	Detroit	1,511,482	17.0
Minnesota		3,805,069	100.0
	Minneapolis	434,400	11.4
	St. Paul	309,980	8.1
	Total	744,380	19.5
Missouri		4,677,399	100.0
	Kansas City	507,087	10.8
	St. Louis	622,236	13.3
	Total	1,129,323	24.1
Nebraska		1,483,791	100.0
	Omaha	347,328	23.4
New Jersey		7,168,164	100.0
	Jersey City	260,545	3.6
	Newark	382,417	5.3
	Total	642,962	8.9

Table 1 - TOTAL AND PERCENTAGE OF STATES' POPULATION IN MAJOR CITIES (Cont'd)

State	City	1970 Population	Percentage
New Mexico		1,016,000	100.0
	Albuquerque	243,751	24.0
Ohio		10,652,017	100.0
	Akron	275,425	2.6
	Cincinnati	452,524	4.2
	Cleveland	750,903	7.0
	Columbus	539,677	5.1
	Dayton	243,601	2.3
	Toledo	383,818	3.6
	Total	2,645,948	24.8
Oklahoma		2,559,253	100.0
	Oklahoma City	366,481	14.3
	Tulsa	331,638	13.0
	Total	698,119	27.3
Oregon		2,091,385	100.0
	Portland	382,619	18.3
Pennsylvania		11,793,909	100.0
	Philadelphia	1,948,609	16.5
	Pittsburgh	520,117	4.4
	Total	2,468,726	20.9
Tennessee		3,924,164	100.0
	Memphis	623,530	15.9
Texas		11,196,730	100.0
	Austin	251,808	2.2
	Dallas	844,401	7.5
	El Paso	322,261	2.9
	Fort Worth	393,476	3.5
	Houston	1,232,802	11.0
	San Antonio	654,153	5.8
	Total	3,698,901	33.0
Virginia		4,648,494	100.0
	Norfolk	307,951	6.6
Washington		3,409,169	100.0
	Seattle	530,831	15.6
Wisconsin		4,417,933	100.0
	Milwaukee	717,099	16.2
U.S. Total		204,765,770	100.0
	Major City Total	25,159,026	12.3
* * * * * * * * * * * *			
Florida		6,789,443	100.0
	Jacksonville	528,865	7.8
	Miami	334,859	4.9
	Tampa	277,767	4.1
	Total	1,141,491	16.8

Table 2 - NUMBER AND PERCENTAGE OF STATES' VOCATIONAL EDUCATION ENROLLMENT BY TARGET GROUP IN MAJOR CITIES, FY 1971

	Total Enrollment	Percentage	Disadvantaged Enrollment	Disadvantaged Percentage	Handicapped Enrollment	Handicapped Percentage
Alabama	153,571	100.0	27,300	100.0	3,288	100.0
Birmingham	18,350	11.9	2,483	9.1	293	8.9
Arizona	88,880	100.0	17,910	100.0	406	100.0
Phoenix	49,563	55.8	8,924	49.8	177	43.6
Tucson	16,102	18.1	2,817	15.7	91	22.4
Total	65,665	73.9	11,741	65.6	268	66.0
Colorado	108,391	100.0	9,232	100.0	1,834	100.0
Denver	27,160	25.1	4,199	45.5	675	36.8
Georgia	272,202	100.0	68,997	100.0	20,988	100.0
Atlanta	43,457	16.0	20,866	30.2	3,375	16.1
Hawaii	44,502	100.0	7,563	100.0	1,020	100.0
Honolulu	33,808	76.0	5,107	67.5	970	95.1
Illinois	1,227,842	100.0	110,471	100.0	11,623	100.0
Chicago	589,889	48.0	69,504	62.9	907	7.8
Indiana	131,338	100.0	3,477	100.0	1,040	100.0
Indianapolis	4,240	3.2	196	5.6	67	6.4
Kansas	97,130	100.0	10,456	100.0	3,722	100.0
Wichita	16,751	17.2	1,551	14.8	575	15.4
Kentucky	145,324	100.0	23,776	100.0	2,909	100.0
Louisville	5,671	3.9	339	1.4	36	1.2
Louisiana	174,403	100.0	55,577	100.0	1,048	100.0
New Orleans	15,619	8.9	5,862	10.5	30	2.9
Massachusetts	121,950	100.0	3,478	100.0	813	100.0
Boston	11,880	9.7	0	0	0	0
Michigan	320,055	100.0	19,349	100.0	1,855	100.0
Detroit	39,546	12.4	8,627	44.6	106	5.7
Minnesota	286,202	100.0	10,888	100.0	5,856	100.0
Minneapolis	26,976	9.4	1,736	15.9	1,640	28.0
St. Paul	36,942	12.9	1,908	17.5	367	6.3
Total	63,918	22.3	3,644	33.5	2,007	34.3
Missouri	150,256	100.0	11,247	100.0	2,115	100.0
Kansas City	8,136	5.4	835	7.4	21	1.0
St. Louis	18,216	12.1	933	8.3	99	4.7
Total	26,352	17.5	1,768	15.7	120	5.7
Nebraska	65,094	100.0	4,737	100.0	1,295	100.0
Omaha	12,664	19.5	1,782	37.6	464	35.8
New Jersey	329,787	100.0	14,959	100.0	6,070	100.0
Jersey City	7,004	2.1	146	1.0	210	3.5
Newark	24,459	7.4	958	6.4	309	5.1
Total	31,463	9.5	1,104	7.4	519	8.6

Table 2 - NUMBER AND PERCENTAGE OF STATES' VOCATIONAL EDUCATION ENROLLMENT BY TARGET GROUP IN MAJOR CITIES, FY 1971 (Cont'd)

			Disadvantaged		Handicapped	
	Total Enrollment	Per-cent-age	Enroll-ment	Per-cent-age	Enroll-ment	Per-cent-age
New Mexico	52,605	100.0	22,817	100.0	1,167	100.0
Albuquerque	18,649	35.5	5,609	24.6	298	25.5
Ohio	416,977	100.0	80,818	100.0	11,706	100.0
Akron	14,763	3.5	6,509	8.1	77	.7
Cincinnati	22,561	5.4	9,047	11.2	2,234	19.1
Cleveland	23,440	5.6	11,403	14.1	1,232	10.5
Columbus	8,722	2.1	1,234	1.5	24	.2
Dayton	14,679	3.5	2,994	3.7	355	3.0
Toledo	58,122	13.9	19,216	2.4	372	3.2
Total	142,287	34.0	50,403	62.4	4,294	36.7
Oklahoma	104,885	100.0	27,065	100.0	5,376	100.0
Oklahoma City	10,359	9.9	1,678	6.2	397	7.4
Tulsa	6,496	6.2	1,160	4.3	270	5.0
Total	16,855	16.1	2,838	10.5	667	12.4
Oregon	111,824	100.0	19,610	100.0	1,265	100.0
Portland	28,435	25.4	9,440	48.1	514	40.6
Pennsylvania	337,835	100.0	25,984	100.0	4,597	100.0
Philadelphia	44,771	13.3	0	0	0	0
Pittsburgh	11,956	3.5	2,119	8.2	131	2.8
Total	56,727	16.8	2,119	8.2	131	2.8
Tennessee	143,572	100.0	13,523	100.0	1,197	100.0
Memphis	20,293	14.1	5,387	39.8	139	11.6
Texas	608,252	100.0	56,183	100.0	5,284	100.0
Austin	8,834	1.5	1,379	2.5	0	0
Dallas	38,131	6.3	18,464	32.9	36	.7
El Paso	8,565	1.4	2,498	4.4	39	.7
Fort Worth	14,359	2.4	1,076	1.9	120	2.3
Houston	41,416	6.8	6,027	10.7	49	.9
San Antonio	17,606	2.9	1,512	2.7	16	.3
Total	128,911	21.3	30,956	55.1	260	4.9
Virginia	301,904	100.0	44,733	100.0	3,400	100.0
Norfolk	17,584	5.8	1,787	4.0	110	3.2
Washington	230,985	100.0	7,629	100.0	3,284	100.0
Seattle	26,022	11.3	1,329	17.4	83	2.5
Wisconsin	189,749	100.0	12,591	100.0	2,100	100.0
Milwaukee	33,609	17.7	5,254	41.7	120	5.7
U.S. Total	10,495,411	100.0	1,414,437	100.0	208,781	100.0
Major City Total	1,495,805	14.3	253,895	18.0	17,028	8.2
* * * * * * * * * * * * * * *						
Florida	461,539	100.0	54,077	100.0	5,819	100.0
Jacksonville	39,813	8.6	3,183	5.9	16	.3
Miami	73,101	15.8	8,451	15.6	661	11.4
Tampa	64,939	14.1	13,767	25.5	1,182	20.3
Total	177,853	38.5	25,401	47.0	1,859	31.9

Table 3 - NUMBER AND PERCENTAGE OF STATES' VOCATIONAL EDUCATION ENROLLMENT BY LEVEL IN MAJOR CITIES, FY 1971

	Secondary		Postsecondary		Adult	
	Enrollment	Percentage	Enrollment	Percentage	Enrollment	Percentage
Alabama	95,412	100.0	17,041	100.0	41,118	100.0
Birmingham	12,389	13.0	1,543	9.1	5,062	12.3
Arizona	50,719	100.0	22,281	100.0	15,880	100.0
Phoenix	28,572	56.3	14,579	65.4	6,413	40.4
Tucson	8,176	16.1	2,571	11.5	6,345	40.4
Total	36,748	72.4	17,150	76.9	12,758	80.4
Colorado	59,080	100.0	14,274	100.0	35,037	100.0
Denver	7,881	13.3	3,427	24.0	17,508	50.0
Georgia	174,144	100.0	14,814	100.0	83,244	100.0
Atlanta	15,636	9.0	2,746	18.5	25,075	30.1
Hawaii	28,850	100.0	7,052	100.0	8,600	100.0
Honolulu	24,188	83.8	5,244	74.4	6,723	78.2
Illinois	1,118,881	100.0	62,186	100.0	46,775	100.0
Chicago	558,988	50.0	22,024	35.4	12,706	27.2
Indiana	86,479	100.0	6,213	100.0	38,646	100.0
Indianapolis	3,547	4.1	385	6.2	1,410	3.6
Kansas	42,447	100.0	7,393	100.0	47,290	100.0
Wichita	9,182	21.6	629	8.5	7,246	15.3
Kentucky	87,872	100.0	9,308	100.0	48,144	100.0
Louisville	3,367	3.8	0	0	2,494	5.2
Louisiana	126,281	100.0	19,076	100.0	29,046	100.0
New Orleans	8,138	6.4	4,058	21.3	3,730	12.8
Massachusetts	95,411	100.0	8,711	100.0	17,828	100.0
Boston	10,567	11.1	234	2.7	2,825	
Michigan	164,234	100.0	42,632	100.0	113,189	100.0
Detroit	33,477	20.4	173	.4	7,294	6.4
Minnesota	171,954	100.0	20,122	100.0	94,126	100.0
Minneapolis	13,234	7.7	1,228	6.1	13,800	14.7
St. Paul	17,402	10.1	2,480	12.3	19,447	20.6
Total	30,636	17.8	3,708	18.4	33,247	35.3
Missouri	105,171	100.0	11,797	100.0	33,288	100.0
Kansas City	2,626	2.5	2,027	17.2	4,469	13.4
St. Louis	9,318	8.9	3,905	33.1	7,381	22.2
Total	11,944	11.4	5,932	50.3	11,850	35.6
Nebraska	38,112	100.0	5,362	100.0	21,620	100.0
Omaha	8,239	21.6	468	8.7	4,643	21.4
New Jersey	218,747	100.0	20,530	100.0	90,510	100.0
Jersey City	6,434	2.9	0	0	656	.7
Newark	17,961	8.2	1,549	7.5	5,343	5.9
Total	24,395	11.1	1,549	7.5	5,999	6.6

Table 3 - NUMBER AND PERCENTAGE OF STATES' VOCATIONAL EDUCATION ENROLLMENT BY LEVEL IN MAJOR CITIES, FY 1971 (Cont'd)

	Secondary		Postsecondary		Adult	
	Enrollment	Percentage	Enrollment	Percentage	Enrollment	Percentage
New Mexico	38,732	100.0	6,078	100.0	7,795	100.0
Albuquerque	9,888	25.5	3,236	53.2	5,910	75.8
Ohio	209,870	100.0	13,911	100.0	193,196	100.0
Akron	13,865	6.7	246	1.8	1,641	.8
Cincinnati	12,358	5.9	190	1.4	10,499	5.4
Cleveland	14,086	6.7	594	4.3	11,035	5.7
Columbus	3,281	1.6	222	1.6	5,851	3.0
Dayton	9,083	4.3	290	2.1	7,101	3.7
Toledo	10,577	5.0	436	3.1	48,501	25.1
Total	63,250	30.1	1,978	14.2	84,628	43.8
Oklahoma	61,518	100.0	5,322	100.0	38,045	100.0
Oklahoma City	4,138	6.7	1,118	21.0	5,431	14.3
Tulsa	4,218	6.9	1,180	22.2	1,716	4.5
Total	8,356	13.6	2,298	43.2	7,147	18.8
Oregon	65,756	100.0	15,243	100.0	30,825	100.0
Portland	15,777	24.0	3,319	21.8	10,448	33.9
Pennsylvania	184,619	100.0	27,381	100.0	125,835	100.0
Philadelphia	29,032	15.7	400	1.5	18,430	14.6
Pittsburgh	10,140	5.5	984	3.6	3,142	2.5
Total	39,172	21.2	1,384	5.1	21,572	17.1
Tennessee	95,472	100.0	16,346	100.0	31,754	100.0
Memphis	11,092	11.6	2,948	18.0	6,253	19.7
Texas	327,684	100.0	41,912	100.0	238,656	100.0
Austin	6,886	2.1	208	.5	2,076	.9
Dallas	8,716	2.7	2,420	5.8	28,388	11.9
El Paso	5,221	1.6	100	.2	3,521	1.5
Fort Worth	8,163	2.5	3,237	7.7	3,251	1.4
Houston	31,953	9.8	220	.5	11,549	4.8
San Antonio	6,053	1.8	3,343	8.0	8,511	3.6
Total	66,992	20.4	9,528	22.7	57,296	24.0
Virginia	188,674	100.0	15,833	100.0	97,397	100.0
Norfolk	9,398	5.0	552	3.5	8,213	8.4
Washington	116,548	100.0	58,233	100.0	56,204	100.0
Seattle	10,658	9.1	3,577	6.1	13,445	23.9
Wisconsin	59,129	100.0	38,136	100.0	92,484	100.0
Milwaukee	10,315	17.4	12,286	32.2	12,443	13.5
U.S. Total	6,494,641	100.0	1,140,943	100.0	2,859,827	100.0
Major City Total	1,044,220	16.1	110,376	9.7	387,925	13.6
* *	*	*	*	*	*	*
Florida	224,468	100.0	69,634	100.0	167,437	100.0
Jacksonville	22,681	10.1	2,460	3.5	15,889	9.5
Miami	21,496	9.6	18,441	26.5	37,717	22.5
Tampa	35,870	16.0	7,400	10.6	22,526	13.4
Total	80,047	35.7	28,301	40.6	76,132	45.4

Table 4 - NUMBER AND PERCENTAGE OF STATES' VOCATIONAL EDUCATION TEACHERS IN MAJOR CITIES, FY 1971

State	City	Number of Vocational Teachers	Percentage
Alabama		3,046	100.0
	Birmingham	503	16.5
Colorado		2,893	100.0
	Denver	906	31.3
Georgia		4,535	100.0
	Atlanta	648	14.3
Hawaii		779	100.0
	Honolulu	522	67.0
Illinois		12,820	100.0
	Chicago	2,315	18.1
Indiana		2,814	100.0
	Indianapolis	183	6.5
Kansas		1,676	100.0
	Wichita	225	13.4
Kentucky		2,903	100.0
	Louisville	185	6.4
Louisiana		3,112	100.0
	New Orleans	216	6.9
Massachusetts		4,383	100.0
	Boston	428	9.8
Michigan		7,295	100.0
	Detroit	624	8.6
Minnesota		5,042	100.0
	Minneapolis	748	14.8
	St. Paul	591	11.7
	Total	1,339	26.5
Missouri		4,077	100.0
	Kansas City	396	9.7
	St. Louis	809	19.8
	Total	1,205	29.5
Nebraska		1,648	100.0
	Omaha	367	22.3
New Mexico		932	100.0
	Albuquerque	312	33.5

Table 4 - NUMBER AND PERCENTAGE OF STATES' VOCATIONAL EDUCATION TEACHERS IN MAJOR CITIES, FY 1971 (Cont'd)

State	City	Number of Vocational Teachers	Percentage
Ohio		10,198	100.0
	Akron	387	3.8
	Cincinnati	394	3.9
	Cleveland	653	6.4
	Columbus	299	2.9
	Dayton	528	5.2
	Toledo	422	4.1
	Total	2,683	26.3
Pennsylvania		9,857	100.0
	Philadelphia	1,117	11.9
	Pittsburgh	321	3.3
	Total	1,498	15.2
Tennessee		2,913	100.0
	Memphis	494	17.0
Texas		9,888	100.0
	Austin	117	1.2
	Dallas	563	5.7
	El Paso	157	1.6
	Fort Worth	411	4.2
	Houston	578	5.8
	San Antonio	397	4.0
	Total	2,223	22.5
Virginia		5,920	100.0
	Norfolk	336	5.7
Washington		7,016	100.0
	Seattle	1,281	18.3
Wisconsin		5,633	100.0
	Milwaukee	1,085	19.3
U.S. Total		211,550	100.0
	Big City Total 1/	22,659	11.1
* *	* *	*	*
Florida		8,263	100.0
	Jacksonville	625	7.6
	Miami	1,279	15.5
	Tampa	1,177	14.2
	Total	3,081	37.3

1/ No reports for major cities in Arizona, New Jersey, Oklahoma, and Oregon.

Table 5 - AMOUNT AND PERCENTAGE OF STATES' VOCATIONAL EDUCATION EXPENDITURES IN MAJOR CITIES, BY SOURCE, FY 1971
(IN 000's)

	Total		Federal		State/Local	
	Amount	Percentage	Amount	Percentage	Amount	Percentage
Alabama	$ 36,107	100.0	$ 9,006	100.0	$ 27,101	100.0
Birmingham	4,067	11.3	1,190	13.2	2,877	10.6
Arizona	14,295	100.0	3,961	100.0	10,333	100.0
Phoenix	4,427	31.0	1,262	31.9	3,164	30.6
Tucson	2,291	16.0	551	13.9	1,740	16.8
Total	6,717	47.0	1,813	45.8	4,904	47.5
Colorado	23,858	100.0	4,466	100.0	19,391	100.0
Denver	3,203	13.4	558	12.5	2,645	13.6
Georgia	46,256	100.0	11,145	100.0	35,111	100.0
Atlanta	4,637	10.0	1,264	11.3	3,373	9.6
Hawaii	7,218	100.0	1,682	100.0	5,536	100.0
Honolulu	5,174	71.7	1,087	64.6	4,086	73.8
Illinois	182,987	100.0	16,939	100.0	166,048	100.0
Chicago	45,788	25.0	2,664	15.7	43,124	26.0
Indiana	28,190	100.0	9,910	100.0	18,281	100.0
Indianapolis	929	3.3	390	3.9	540	3.0
Kansas	16,354	100.0	4,610	100.0	11,744	100.0
Wichita	2,287	14.0	576	12.5	1,711	14.6
Kentucky	28,300	100.0	6,493	100.0	21,807	100.0
Louisville	2,710	9.6	781	12.0	1,928	8.8
Louisiana	23,209	100.0	8,935	100.0	14,273	100.0
New Orleans	3,759	16.2	914	10.2	2,845	19.9
Massachusetts	122,085	100.0	9,737	100.0	112,348	100.0
Boston	9,928	8.1	242	2.5	9,686	8.6
Michigan	52,195	100.0	15,131	100.0	37,064	100.0
Detroit	3,466	6.6	702	4.6	2,763	7.5
Minnesota	48,275	100.0	7,891	100.0	40,384	100.0
Minneapolis	4,029	8.3	601	7.6	3,428	8.5
St. Paul	3,802	7.9	393	5.0	3,408	8.4
Total	7,831	16.2	994	12.6	6,836	16.9
Missouri	36,421	100.0	9,290	100.0	27,131	100.0
Kansas City	2,410	6.6	684	7.4	1,725	6.4
St. Louis	4,196	11.5	655	7.0	3,541	13.0
Total	6,605	18.1	1,339	14.4	5,266	19.4
Nebraska	11,125	100.0	3,027	100.0	8,098	100.0
Omaha	1,849	16.6	523	17.3	1,326	16.4
New Jersey	39,252	100.0	12,026	100.0	27,226	100.0
Jersey City	465	1.2	101	.8	364	1.3
Newark	2,254	5.7	559	4.6	1,695	6.2
Total	2,719	6.9	660	5.4	2,059	7.5

Table 5 - AMOUNT AND PERCENTAGE OF STATES' VOCATIONAL EDUCATION EXPENDITURES IN MAJOR CITIES, BY SOURCE, FY 1971 (Cont'd)
(IN 000's)

	Total		Federal		State/Local	
	Amount	Percentage	Amount	Percentage	Amount	Percentage
New Mexico	$ 8,956	100.0	$ 2,842	100.0	$ 6,114	100.0
Albuquerque	1,641	18.3	490	17.2	1,150	18.8
Ohio	184,557	100.0	20,865	100.0	163,692	100.0
Akron	5,115	2.8	509	2.4	4,606	2.8
Cincinnati	26,427	14.3	750	3.6	25,677	15.7
Cleveland	14,645	7.9	1,335	6.4	13,310	8.1
Columbus	1,502	.8	338	1.6	1,164	.7
Dayton	2,209	1.2	936	4.5	1,273	.8
Toledo	3,943	2.1	663	3.2	3,280	2.0
Total	53,841	29.2	4,531	21.7	49,310	30.1
Oklahoma	27,569	100.0	5,789	100.0	21,780	100.0
Oklahoma City	2,486	9.0	817	14.1	1,669	7.7
Tulsa	1,943	7.0	561	9.7	1,382	6.3
Total	4,429	16.1	1,378	23.8	3,051	14.0
Oregon	22,929	100.0	4,230	100.0	18,699	100.0
Portland	3,462	15.1	1,053	24.9	2,408	12.9
Pennsylvania	152,060	100.0	19,459	100.0	132,601	100.0
Philadelphia	10,965	7.2	1,872	9.6	9,093	6.9
Pittsburgh	7,780	5.1	1,291	6.6	6,489	4.9
Total	18,745	12.3	3,163	12.3	15,582	11.8
Tennessee	31,927	100.0	8,498	100.0	23,429	100.0
Memphis	5,094	16.0	1,328	15.6	3,766	16.1
Texas	106,445	100.0	20,981	100.0	85,465	100.0
Austin	941	.9	27	.1	914	1.1
Dallas	2,183	2.1	334	1.6	1,849	2.2
El Paso	1,241	1.2	177	.8	1,064	1.2
Fort Worth	1,791	1.7	162	.8	1,629	1.9
Houston	3,635	3.4	287	1.4	3,348	3.9
San Antonio	1,231	1.2	78	.4	1,153	1.3
Total	11,022	10.4	1,065	5.1	9,957	11.7
Virginia	39,452	100.0	9,842	100.0	29,610	100.0
Norfolk	1,772	4.5	404	4.1	1,368	4.6
Washington	43,658	100.0	7,222	100.0	36,436	100.0
Seattle	3,727	8.5	1,065	14.7	2,663	7.3
Wisconsin	63,623	100.0	8,342	100.0	55,281	100.0
Milwaukee	13,891	21.8	1,495	17.9	12,396	22.4
U.S. Total	2,347,353	100.0	396,378	100.0	1,950,975	100.0
Major City Total	229,292	9.8	31,671	8.0	197,621	10.1

Table 6 - AMOUNT AND PERCENTAGE OF STATES' VOCATIONAL EDUCATION EXPENDITURES IN MAJOR CITIES, BY LEVEL, FY 1971
(IN 000's)

	Secondary		Postsecondary		Adult	
	Amount	Percentage	Amount	Percentage	Amount	Percentage
Alabama	$ 21,752	100.0	$ 13,446	100.0	$ 906	100.0
Birmingham	2,514	11.6	1,313	9.8	239	26.4
Arizona	8,911	100.0	4,463	100.0	921	100.0
Phoenix	2,016	22.6	2,332	52.3	79	8.6
Tucson	1,658	18.6	406	9.1	227	24.6
Total	3,674	41.2	2,738	61.4	306	33.2
Colorado	15,121	100.0	7,950	100.0	786	100.0
Denver	2,199	14.5	545	6.9	459	58.4
Georgia	26,614	100.0	16,065	100.0	3,577	100.0
Atlanta	1,643	6.2	2,516	15.7	477	13.3
Hawaii	2,895	100.0	3,988	100.0	335	100.0
Honolulu	2,183	75.4	2,661	66.7	328	97.9
Illinois	130,018	100.0	41,161	100.0	11,808	100.0
Chicago	34,903	26.8	9,791	23.8	1,093	9.3
Indiana	23,163	100.0	4,174	100.0	853	100.0
Indianapolis	544	2.3	0	0	386	45.3
Kansas	10,047	100.0	5,536	100.0	771	100.0
Wichita	1,906	19.0	220	4.0	161	20.9
Kentucky	19,139	100.0	7,569	100.0	1,592	100.0
Louisville	2,106	11.0	360	4.8	242	15.2
Louisiana	13,777	100.0	8,006	100.0	1,425	100.0
New Orleans	2,112	15.3	1,576	19.7	71	5.0
Massachusetts	112,198	100.0	7,393	100.0	2,496	100.0
Boston	9,710	8.7	165	2.2	52	2.1
Michigan	32,123	100.0	15,540	100.0	4,533	100.0
Detroit	3,388	10.5	0	0	574	12.7
Minnesota	15,350	100.0	29,815	100.0	3,109	100.0
Minneapolis	1,736	11.3	2,014	6.7	279	9.0
St. Paul	590	3.8	2,763	9.3	449	14.4
Total	2,326	15.1	4,777	16.0	728	23.4
Missouri	29,087	100.0	6,159	100.0	1,175	100.0
Kansas City	1,277	4.4	1,029	16.7	103	8.8
St. Louis	2,337	8.0	1,505	24.4	353	30.0
Total	3,614	12.4	2,534	41.1	456	38.8
Nebraska	5,716	100.0	5,028	100.0	380	100.0
Omaha	1,242	21.7	487	9.7	121	31.8
New Jersey	34,046	100.0	3,575	100.0	1,631	100.0
Jersey City	461	1.4	0	0	5	.3
Newark	1,788	5.2	340	9.5	125	7.7
Total	2,249	6.6	340	9.5	130	8.0

Table 6 - AMOUNT AND PERCENTAGE OF STATES' VOCATIONAL EDUCATION EXPENDITURES IN MAJOR CITIES, BY LEVEL, FY 1971 (Cont'd)
(IN 000's)

	Secondary		Postsecondary		Adult	
	Amount	Percentage	Amount	Percentage	Amount	Percentage
New Mexico	$ 6,238	100.0	$ 2,391	100.0	$ 326	100.0
Albuquerque	686	11.0	812	34.0	143	43.7
Ohio	117,433	100.0	9,432	100.0	57,693	100.0
Akron	3,122	2.7	108	1.1	1,885	3.3
Cincinnati	13,726	11.7	87	.9	12,614	21.9
Cleveland	8,738	7.4	309	3.3	5,596	9.7
Columbus	1,137	1.0	140	1.5	226	.4
Dayton	1,800	1.5	87	.9	323	.5
Toledo	2,550	2.2	103	1.1	1,290	2.2
Total	31,073	26.5	834	8.8	21,934	38.0
Oklahoma	21,777	100.0	3,819	100.0	1,972	100.0
Oklahoma City	1,866	8.6	482	12.6	137	6.9
Tulsa	1,448	6.6	410	10.7	84	4.3
Total	3,314	15.2	892	23.3	221	11.2
Oregon	10,903	100.0	9,586	100.0	2,439	100.0
Portland	1,188	10.9	1,628	17.0	645	26.4
Pennsylvania	127,894	100.0	17,711	100.0	6,454	100.0
Philadelphia	8,496	6.6	765	4.3	1,703	26.4
Pittsburgh	6,220	4.9	1,204	6.8	355	5.5
Total	14,716	11.5	1,969	11.1	2,058	31.9
Tennessee	16,626	100.0	14,038	100.0	1,263	100.0
Memphis	2,067	12.4	2,735	19.5	292	23.1
Texas	77,345	100.0	24,198	100.0	4,902	100.0
Austin	911	1.2	0	0	30	.6
Dallas	1,818	2.4	103	.4	261	5.3
El Paso	1,058	1.4	57	.2	125	2.5
Fort Worth	1,663	2.2	44	.2	84	1.7
Houston	3,220	4.2	154	.6	262	5.3
San Antonio	1,095	1.4	61	.3	76	1.6
Total	9,766	12.6	419	1.7	838	17.1
Virginia	31,956	100.0	5,335	100.0	2,160	100.0
Norfolk	1,182	3.7	341	6.4	249	11.5
Washington	18,592	100.0	22,238	100.0	2,827	100.0
Seattle	2,359	12.7	1,342	6.0	27	.9
Wisconsin	6,611	100.0	45,809	100.0	11,202	100.0
Milwaukee	1,007	15.2	9,093	19.8	3,788	33.8
U.S. Total	1,560,889	100.0	566,978	100.0	218,194	100.0
Major City Total	143,671	9.2	50,088	8.8	36,018	16.5

Table 7 - AMOUNT AND PERCENTAGE OF STATES' TOTAL VOCATIONAL EDUCATION EXPENDITURES IN MAJOR CITIES, BY TARGET GROUP, FY 1971
(IN 000's)

	Disadvantaged		Handicapped	
	Total Amount	Percentage	Total Amount	Percentage
Alabama	$ 3,068	100.0	$ 1,444	100.0
Birmingham	553	18.0	168	11.6
Arizona	1,512	100.0	408	100.0
Phoenix	105	6.9	76	18.6
Tucson	107	7.0	157	38.5
Total	212	14.0	233	57.1
Colorado	1,893	100.0	1,338	100.0
Denver	377	19.9	265	19.8
Georgia	4,785	100.0	1,190	100.0
Atlanta	290	6.1	29	2.4
Hawaii	610	100.0	198	100.0
Honolulu	334	5.5	173	87.4
Illinois	20,361	100.0	4,078	100.0
Chicago	4,777	23.5	2,513	61.6
Indiana	2,692	100.0	2,847	100.0
Indianapolis	83	3.1	24	.8
Kansas	1,639	100.0	820	100.0
Wichita	283	17.3	115	14.0
Kentucky	1,862	100.0	696	100.0
Louisville	107	5.7	57	8.2
Louisiana	5,086	100.0	976	100.0
New Orleans	680	13.4	27	2.8
Massachusetts	0	0	0	0
Boston	0	0	0	0
Michigan	3,971	100.0	1,269	100.0
Detroit	241	6.1	12	.9
Minnesota	2,436	100.0	623	100.0
Minneapolis	732	29.8	16	2.6
St. Paul	161	6.6	148	23.8
Total	893	36.3	164	26.3
Missouri	1,792	100.0	1,180	100.0
Kansas City	300	16.7	0	0
St. Louis	161	9.0	41	3.5
Total	461	25.7	41	3.5
Nebraska	756	100.0	298	100.0
Omaha	186	24.6	121	40.6
New Jersey	4,247	100.0	1,634	100.0
Jersey City	44	1.0	56	3.4
Newark	272	6.4	77	4.7
Total	316	7.4	133	8.1

Table 7 - AMOUNT AND PERCENTAGE OF STATES' TOTAL VOCATIONAL EDUCATION EXPENDITURES IN MAJOR CITIES, BY TARGET GROUP, FY 1971 (Cont'd)
(IN 000's)

	Disadvantaged		Handicapped	
	Total Amount	Percentage	Total Amount	Percentage
New Mexico	$ 2,995	100.0	$ 617	100.0
Albuquerque	217	7.2	149	24.1
Ohio	7,668	100.0	2,433	100.0
Akron	293	3.8	118	4.8
Cincinnati	317	4.1	329	13.5
Cleveland	827	10.8	456	18.7
Columbus	313	4.1	63	2.6
Dayton	657	8.6	56	2.3
Toledo	491	6.4	148	6.1
Total	2,897	37.8	1,170	48.1
Oklahoma	6,283	100.0	617	100.0
Oklahoma City	1,109	17.7	86	13.9
Tulsa	861	13.7	40	6.5
Total	1,970	31.4	126	20.6
Oregon	1,553	100.0	1,087	100.0
Portland	414	26.7	392	36.1
Pennsylvania	11,292	100.0	3,229	100.0
Philadelphia	5,286	46.8	668	20.7
Pittsburgh	813	7.2	254	7.9
Total	6,099	54.0	922	28.6
Tennessee	3,302	100.0	743	100.0
Memphis	618	18.7	69	9.3
Texas	7,513	100.0	2,573	100.0
Austin	8	.1	0	0
Dallas	321	4.3	0	0
El Paso	182	2.4	0	0
Fort Worth	139	1.9	39	1.5
Houston	420	5.6	75	2.9
San Antonio	55	.7	0	0
Total	1,125	15.0	114	4.4
Virginia	7,944	100.0	849	100.0
Norfolk	293	3.7	22	2.6
Washington	3,965	100.0	2,075	100.0
Seattle	619	15.6	142	6.8
Wisconsin	2,741	100.0	999	100.0
Milwaukee	663	24.2	579	58.0
U.S. Total	223,833	100.0	64,586	100.0
Major City Total	24,710	11.0	7,762	12.0

Table 8 - NUMBER AND PERCENTAGE OF STATES' TOTAL PROGRAM COMPLETIONS AND PLACEMENTS IN MAJOR CITIES, FY 1971

	Total Completions	Percentage	Placed Full-Time	Percentage
Alabama	22,185	100.0	10,613	100.0
Birmingham	4,402	19.9	2,222	20.9
Colorado	16,390	100.0	2,972	100.0
Denver	3,601	22.0	968	32.6
Florida	84,060	100.0	29,027	100.0
Jacksonville	9,565	11.4	3,496	12.0
Miami	15,346	18.2	7,656	26.4
Tampa	12,508	14.9	3,234	11.1
Total	37,419	44.5	14,386	49.5
Georgia	31,355	100.0	16,884	100.0
Atlanta	405	1.3	312	1.8
Illinois	74,952	100.0	25,283	100.0
Chicago	4,697	6.2	3,269	12.9
Kansas	10,017	100.0	3,916	100.0
Wichita	1,208	12.1	487	12.4
Massachusetts	23,840	100.0	8,844	100.0
Boston	1,556	6.5	542	6.1
Minnesota	41,846	100.0	19,452	100.0
Minneapolis	4,386	10.5	1,637	8.4
St. Paul	4,639	11.0	2,168	11.1
Total	9,025	21.5	3,805	19.5
Missouri	24,906	100.0	10,203	100.0
Kansas City	716	2.9	533	5.2
St. Louis	2,985	12.0	1,400	13.7
Total	3,701	14.9	1,933	18.9
Nebraska	9,879	100.0	4,848	100.0
Omaha	1,481	15.0	566	11.7
New Jersey	62,446	100.0	28,579	100.0
Jersey City	839	1.3	672	2.3
Newark	2,762	4.4	1,534	5.4
Total	3,601	5.7	2,206	7.7
Oklahoma	26,071	100.0	9,962	100.0
Oklahoma City	4,619	17.7	2,103	21.1
Tulsa	2,322	8.9	963	9.7
Total	6,941	26.6	3,066	30.8

Table 8 - NUMBER AND PERCENTAGE OF STATES' TOTAL PROGRAM COMPLETIONS AND PLACEMENTS IN MAJOR CITIES, FY 1971 (Cont'd)

	Total Completions	Percentage	Placed Full-Time	Percentage
Pennsylvania	66,400	100.0	10,322	100.0
Philadelphia	6,220	9.4	961	9.3
Pittsburgh	2,134	3.2	286	2.8
Total	8,354	12.6	1,247	12.1
Tennessee	33,795	100.0	13,744	100.0
Memphis	7,402	21.9	3,579	26.0
Texas	62,280	100.0	30,421	100.0
Austin	1,458	2.3	943	3.0
Dallas	3,835	6.2	2,610	8.6
El Paso	1,249	2.0	544	1.8
Fort Worth	1,799	2.9	783	2.6
Houston	2,471	4.0	1,190	3.9
San Antonio	1,749	2.8	1,116	3.6
Total	12,581	20.2	7,186	23.6
Virginia	31,370	100.0	13,235	100.0
Norfolk	1,776	5.7	849	6.4
Washington	34,980	100.0	7,589	100.0
Seattle	2,862	8.2	605	8.0

Table 5 - CITIES RANKED ON SELECTED ITEMS, VOCATIONAL EDUCATION, FY 1971

Population -Census	City	Cities Reporting*	Voc. Edu. Expenditures	Disadvantaged Expenditures	Handicapped Expenditures	Total Enrollment	Disadvantaged Enrollment	Handicapped Enrollment	Total Completions	Placements	Number of Teachers
2	Chicago	1	1	2	1	1	1	7	6	4	1
4	Philadelphia	2	5	1	2	6	0	0	5	18	4
5	Detroit	3	22	29	37	10	10	29	-	-	13
6	Houston	4	21	16	23	8	13	35	16	13	15
8	Dallas	5	32	20	0	11	4	38	11	6	16
9	Dist. of Columbia	6	17	14	19	37	30	21	22	15	34
10	Cleveland	7	3	5	4	20	6	4	-	-	10
11	Indianapolis	8	42	39	34	46	42	34	-	-	37
12	Milwaukee	9	4	9	3	14	17	27	-	-	6
15	San Antonio	10	40	40	0	26	33	43	21	14	24
16	Boston	11	6	43	0	36	0	0	23	26	21
17	Memphis	12	10	12	24	22	16	24	4	2	20
18	St. Louis	13	13	34	29	25	40	30	13	12	8
19	New Orleans	14	19	8	33	30	14	39	-	-	35
20	Phoenix	15	12	38	22	5	9	23	-	-	-
21	Columbus	16	38	22	25	40	36	40	-	-	32
22	Seattle	17	20	11	15	18	35	32	14	23	2
23	Jacksonville	18	-	-	-	9	20	42	3	3	-
24	Pittsburgh	19	7	6	8	35	25	25	18	30	30
25	Denver	20	24	18	7	16	19	8	12	16	7
26	Kansas City	21	27	23	0	42	41	41	29	27	25
27	Atlanta	22	11	26	32	7	2	1	30	29	11
29	Cincinnati	23	2	21	6	21	8	2	-	-	26
32	Minneapolis	24	15	7	36	17	29	3	10	10	9
33	Fort Worth	25	35	35	31	33	38	26	19	21	23

Table 9 - CITIES RANKED ON SELECTED ITEMS, VOCATIONAL EDUCATION, FY 1971 (Cont'd)

Population -Census	City	Cities Reporting*	Voc. Edu. Expenditures	Disadvantaged Expenditures	Handicapped Expenditures	Total Enrollment	Disadvantaged Enrollment	Handicapped Enrollment	Total Completions	Placements	Number of Teachers
34	Toledo	26	16	15	13	4	3	14	-	-	22
35	Portland	27	23	17	5	15	7	11	-	-	-
36	Newark	28	30	28	21	19	39	17	15	11	-
37	Oklahoma City	29	26	3	20	38	31	13	9	9	-
39	Louisville	30	25	36	26	45	42	37	-	-	36
41	Omaha	31	34	31	16	34	28	12	24	24	28
42	Miami	32	-	-	-	2	11	9	1	1	-
43	Tulsa	33	33	4	30	44	37	20	17	17	-
44	Honolulu	34	8	19	9	13	18	6	-	-	18
45	El Paso	35	39	32	0	41	23	36	26	25	38
46	St. Paul	36	18	33	14	12	26	15	8	8	14
47	Norfolk	37	36	24	35	27	27	28	20	20	29
48	Birmingham	38	14	13	10	24	24	19	7	7	19
50	Tampa	39	-	-	-	3	5	5	2	5	-
51	Wichita	40	29	27	18	28	32	10	27	28	33
52	Akron	41	9	25	17	31	12	33	-	-	27
53	Tucson	42	28	37	11	29	22	31	-	-	-
54	Jersey City	43	43	41	28	43	44	22	28	22	-
56	Austin	44	41	42	0	39	34	0	25	19	39
58	Albuquerque	45	37	30	12	23	15	18	-	-	31
59	Dayton	46	31	10	27	32	21	16	-	-	17

* Includes District of Columbia in this table only.

0 - None
- - No report